

Hotta '450) and UK 2,074,795 to Burton (hereinafter Burton). Applicants respectfully traverse this rejection because the references fail to establish *prima facie* obviousness.

First, Applicants' arguments as set forth on pages 6-8 of the Amendment filed on May 23, 2002 are still pertinent and, therefore, are incorporated herein by reference.

Second, the references fail to teach or suggest every element as set forth and arranged in Applicants' claims.

Claim 7 sets forth a rotor of a dynamo-electric machine, comprising: a rotor coil comprising a bobbin having a first flange and a second flange; and a plurality of magnetic portions that abut at least one of the first flange and a second flange in order to join the plurality of magnetic portions to the bobbin, wherein the plurality of magnetic portions are formed with a resin mixed with ferrite-based iron filings.

Hotta '040 discloses spacers 30 which are disposed between the triangular magnetic poles 1-p, 1-p' opposite to each other, the spacers 30 being united by a bobbin 20. See, for example, Fig. 3, element 11. These spacers 30 are constituted by non-magnetic material and the purpose of the spacers 30 is to prevent centrifugal currents due to the fan effect of the sides of the triangular magnetic poles 1-p, 1-p' from occurring, and to prevent the bobbin 20 and the triangular magnetic poles 1-p, 1-p' from relative rotation. Hotta '040 does not teach or suggest anything about the leakage of magnetic flux between the triangular magnetic poles 1-p, 1-p'.

Hotta '045 discloses a structure wherein the rotor of a dynamo-electric machine comprises a plurality of magnetic portions 41 which are provided between adjacent triangular magnetic poles 12, 22 in an orientation that reduces the leakage of magnetic flux between the triangular magnetic poles 12, 22, and non-magnetic ring 31 which surely and easily holds the magnetic portions 41 between the triangular magnetic poles 12, 22, and covers the magnetic portions 41. Also, Hotta '045 needs to provide the magnetic portions 41 and the non-magnetic ring 31 in order to prevent the leakage of magnetic flux between the triangular magnetic poles 12, 22. Accordingly, one of ordinary skill in the art would not have been motivated to combine Hotta '045 with Hotta '040, because doing so would interfere with the ability of Hotta '040 to prevent centrifugal currents due to the fan effect.

Further, in contrast to the teachings of Hotta '040 and Hotta '450, the magnetic portions in claim 7 are united by the flanges of the bobbin; they are not connected by a spacer that is connected to the flange.

The Examiner cites Burton for teaching a resin with iron filings therein. However, Burton fails to teach or suggest anything that would make proper the combination of Hotta '040 with Hotta '450. Further, Burton fails to teach or suggest the claimed arrangement of a plurality of discrete magnetic portions, which—as noted above—is deficient from the Examiner's attempted combination of Hotta '040 and Hotta '450.

For at least any of the above reasons, claim 7 is not rendered obvious by Hotta '040, Hotta '450, and Burton. Likewise, dependent claims 9, 10, and 15, are not rendered obvious by these references.

- The Examiner rejected claims 8 and 17-19 under § 103(a) as being unpatentable over Hotta '040 and Hotta '450. Applicants respectfully traverse this rejection because the references fail to establish *prima facie* obviousness.

Claim 8, similarly to claim 7, sets forth a rotor of a dynamo-electric machine, comprising: a rotor coil comprising a bobbin having a first flange and a second flange; a plurality of discrete magnetic portions that abut at least one of the first flange and the second flange in order to join the plurality of magnetic portions to the bobbin.

Again, Applicants arguments as set forth on pages 6-8 of the Amendment filed May 23, 2002 are pertinent here and, therefore, are incorporated herein by reference.

Further, Applicants arguments as set forth above against the teachings in, and propriety of, the Examiner's attempted combination of Hotta '040 and Hotta '450 are pertinent as well and, therefore, are incorporated herein by reference.

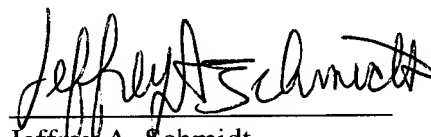
For at least any of the above reasons, claim 8 is not rendered obvious by Hotta '040 in view of Hotta '450. Likewise, dependent claims 17-19 are not rendered obvious by these references.

Conclusion

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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